
REMOVAL ACTION REPORT

PCB CONTAMINATED SOIL

USACE South Pacific Division Laboratory

Sausalito, California



DRAFT FINAL

Prepared by:



**US Army Corps
of Engineers**

ON 08/01/06
FACILITY
SACRAMENTO DISTRICT
ENVIRONMENTAL ENGINEERING SECTION

Sacramento District
Environmental Engineering Section

August 2006

Appendix A

Photographs

Photographic Documentation

Client: U.S. Army Corps of Engineers

Prepared by: ITSI

Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 001

Date: 04/25/2006

Direction: Southwest

Description:

Using breaker to break 12-inches thick asphalt pavement over excavation EX1.



Photograph No. 002

Date: 04/26/2006

Direction: Southwest

Description:

Measuring depth to water encountered in EX1 (approximately 38 inches below ground surface).



Photographic Documentation

Client: U.S. Army Corps of Engineers

Prepared by: ITSI

Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 003

Date: 04/26/2006

Direction: South

Description:

Evaluating if water encountered in EX1 is groundwater or water from leaking pipes. Hole dug to the southeast also had water at 38 inches below ground surface which indicates groundwater rather than water from leaking pipes.



Photograph No. 004

Date: 04/26/2006

Direction: South

Description:

Continuing to excavate EX1.



Photographic Documentation

Client: U.S. Army Corps of Engineers

Prepared by: ITSI

Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 005

Date: 04/26/2006

Direction: South

Description:

ITSI Field Crew at excavation EX1.



Photograph No. 006

Date: 04/26/2006

Direction: East

Description:

Excavation EX1 excavating to six inches above encountered groundwater.



Photographic Documentation

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Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 007

Date: 04/26/2006

Direction: Southwest

Description:

Asphalt pieces in bin showing thickness of asphalt (12 inches thick) encountered at EX1.



Photograph No. 008

Date: 04/26/2006

Direction: Southwest

Description:

Eric Ehlers, ITSI, discussing with Brad Call and Suzette Ramirez, USACE, the groundwater encountered at EX1.



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Photographer: ITSI

Project Number: 06-920.01

Photograph No. 009

Date: 04/27/2006

Direction: Southwest

Description:

Sample location EX1-1 (west wall) at 14 inches below ground surface.



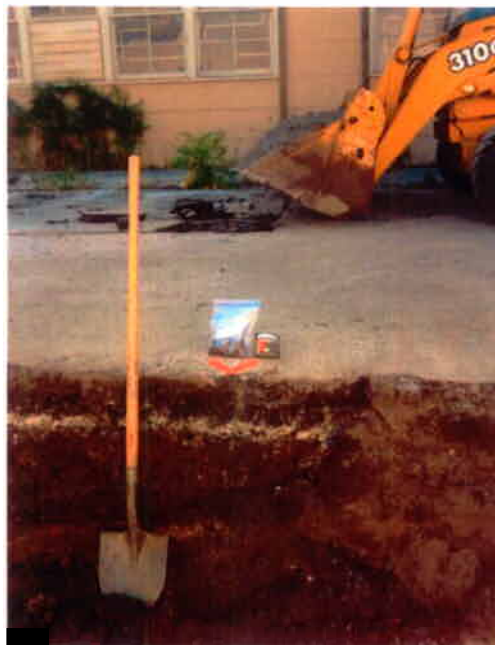
Photograph No. 010

Date: 04/27/2006

Direction: Southeast

Description:

Sample location EX1-2 (south wall) at 14 inches below ground surface.



Photographic Documentation

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Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 011

Date: 04/27/2006

Direction: West

Description:

Sample location EX1-6 (floor southwest) at 32 inches below ground surface.



Photograph No. 012

Date: 04/27/2006

Direction: Northwest

Description:

Sample location EX1-5 (floor northeast) at 32 inches below ground surface.



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Photograph No. 013

Date: 04/27/2006

Direction: Northwest

Description:

Sample location EX1-4 (north wall) at 14 inches below ground surface.



Photograph No. 014

Date: 04/27/2006

Direction: Northeast

Description:

Sample location EX1-3 (east wall) at 14 inches below ground surface.



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Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

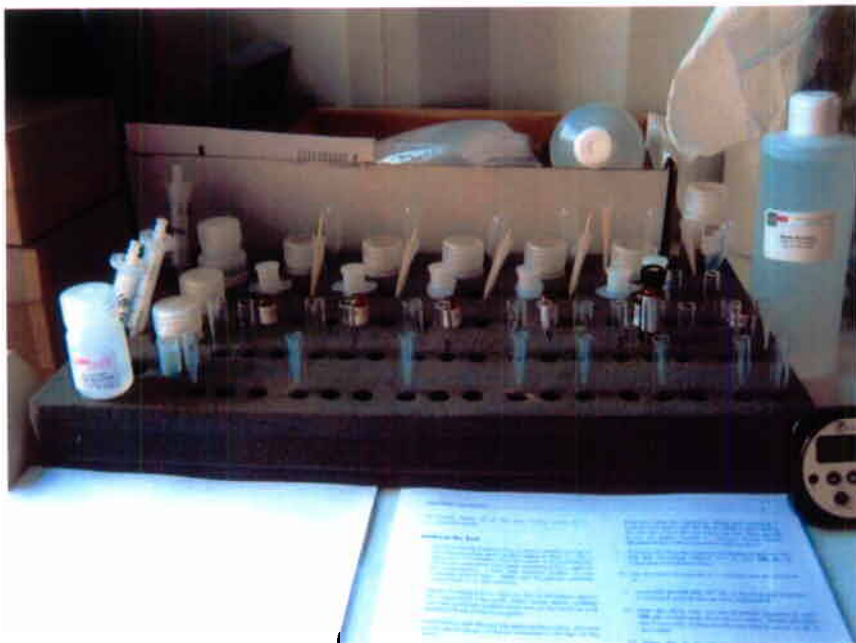
Photograph No. 015

Date: 04/27/2006

Direction: N/A

Description:

Field screening station.



Photograph No. 016

Date: 04/28/2006

Direction: Northeast

Description:

Excavation EX2 being covered for weekend.



Photographic Documentation

Client: U.S. Army Corps of Engineers

Prepared by: ITSI

Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 017

Date: 05/02/2006

Direction: Southeast

Description:

Sample location EX2-3 (EX2 south wall) at 24 inches below ground surface. Also showing bay mud encountered at approximately 4 feet below ground surface.



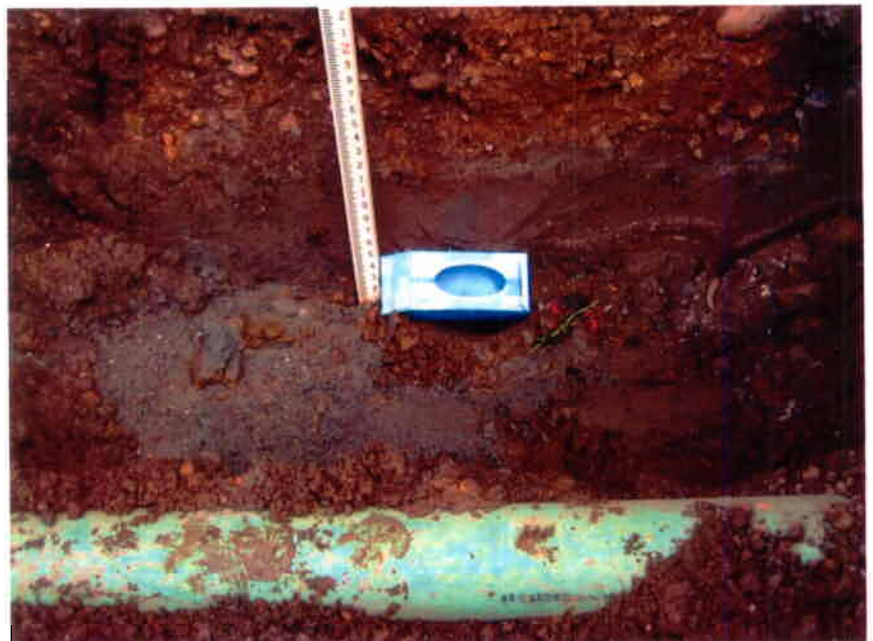
Photograph No. 018

Date: 05/02/2006

Direction: Southeast

Description:

Sample location EX2-6 (floor south) at 48 inches below ground surface.



Photographic Documentation

Client: U.S. Army Corps of Engineers

Prepared by: ITSI

Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 019

Date: 05/08/2006

Direction: Northeast

Description:

Excavation EX3 showing corrugated steel drain pipe under water pipes.



Photograph No. 020

Date: 05/08/2006

Direction: Northeast

Description:

Excavation EX3 showing holes in corrugated steel drain pipe.



Photographic Documentation

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Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 021

Date: 05/08/2006

Direction: N/A

Description:

Interior of corrugated steel drain pipe showing coating lining the bottom invert of pipe.



Photograph No. 022

Date: 05/08/2006

Direction: Southeast

Description:

Sample locations EX3-6 (south wall east) at 30 inches below ground surface and EX3-9 (floor sample east) at 60 inches below ground surface.



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Photographer: ITSI

Project Number: 06-920.01

Photograph No. 023

Date: 05/08/2006

Direction: Northwest

Description:

Sample location EX3-4b (north wall east) at 30 inches below ground surface.



Photograph No. 024

Date: 05/08/2006

Direction: West

Description:

Sample locations EX3-3c (north wall west) at 30 inches below ground surface and EX3-8 (floor sample west) at 60 inches below ground surface.



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Photographer: ITSI

Project Number: 06-920.01

Photograph No. 025

Date: 05/08/2006

Direction: Southwest

Description:

Sample location EX3-2b (west wall) at 30 inches below ground surface. Note: excavation partially backfilled to stabilize excavation near building and water tank.



Photograph No. 026

Date: 05/08/2006

Direction: Southeast

Description:

Excavation EX3 showing exposed holding tank.



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Photographer: ITSI

Project Number: 06-920.01

Photograph No. 027

Date: 05/10/2006

Direction: Southwest

Description:

Excavation EX3 showing repaired drain pipe.



Photograph No. 028

Date: 05/11/2006

Direction: Southwest

Description:

Placing backfill material in excavation EX3.



Photographic Documentation

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Prepared by: ITSI

Location: South Pacific Division Laboratory Building, Sausalito, California

Photograph Dates: April-May 2006

Photographer: ITSI

Project Number: 06-920.01

Photograph No. 029

Date: 05/12/2006

Direction: Southwest

Description:

Backfilled and compacted excavation
EX1 (before asphalt repaving).



Photograph No. 030

Date: 05/12/2006

Direction: Southeast

Description:

Backfilled and compacted excavation
EX2 (before asphalt repaving).

